



LED Display

Product Data Sheet

LTC-5337G

Spec No.: DS-30-96-140

Effective Date: 04/21/2000

Revision: -

LITE-ON DCC

RELEASE

BNS-OD-FC001/A4

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FEATURES

- * 0.52 inch (13.2 mm) DIGIT HEIGHT.
- * CONTINUOUS UNIFORM SEGMENTS.
- * LOW POWER REQUIREMENT.
- * EXCELLENT CHARACTERS APPEARANCE.
- * HIGH BRIGHTNESS & HIGH CONTRAST.
- * WIDE VIEWING ANGLE.
- * SOLID STATE RELIABILITY.
- * CATEGORIZED FOR LUMINOUS INTENSITY.

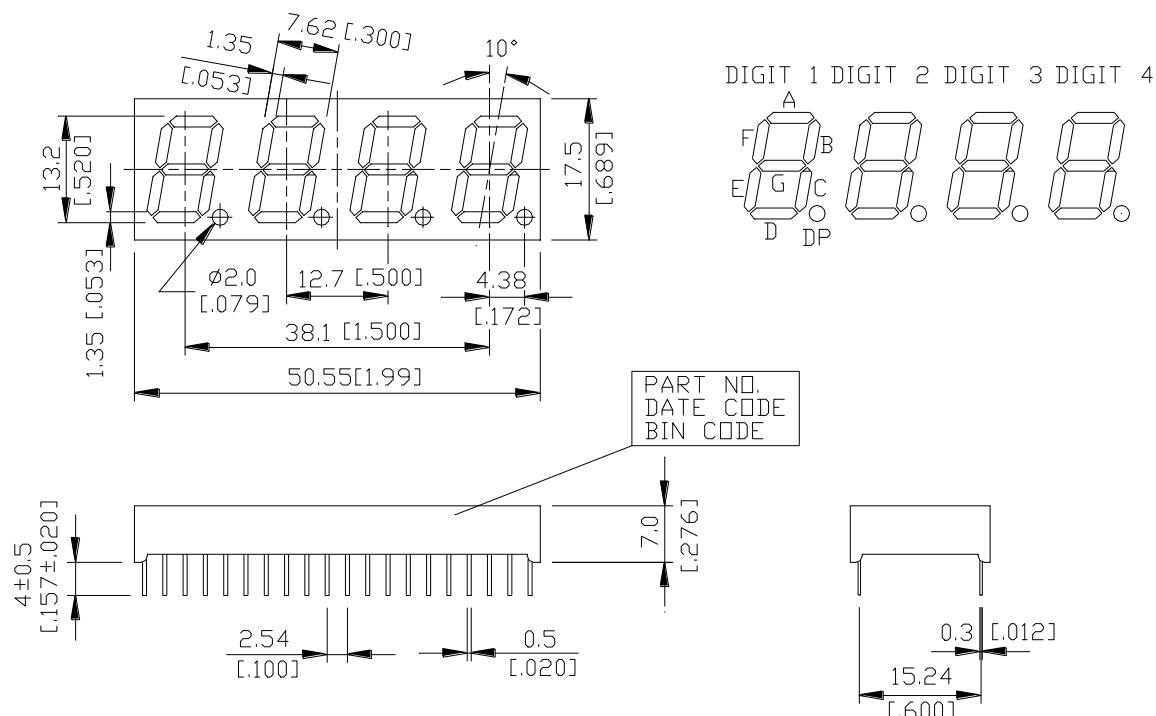
DESCRIPTION

The LTC-5337G is a 0.52 inch (13.2 mm) digit height quadruple digit seven-segment display. This device utilizes green LED chips, which are made from GaP on a transparent GaP substrate, and has a gray face and green segments.

DEVICE

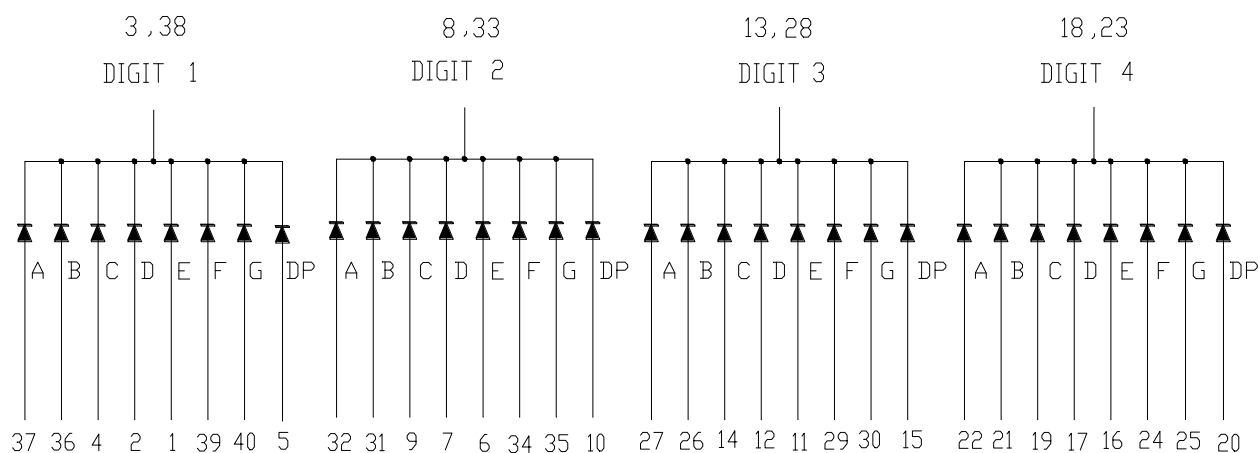
PART NO.	DESCRIPTION
Green	Common Cathode Rt. Hand Decimal
LTC-5337G	

PACKAGE DIMENSIONS



NOTES: All dimensions are in millimeters. Tolerances are ± 0.25 mm (0.01") unless otherwise noted.

INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

NO.	CONNECTION	NO.	CONNECTION
1	ANODE E (DIGIT 1)	21	ANODE B (DIGIT 4)
2	ANODE D (DIGIT 1)	22	ANODE A (DIGIT 4)
3	COMMON CATHODE (DIGIT 1)	23	COMMON CATHODE (DIGIT 4)
4	ANODE C (DIGIT 1)	24	ANODE F (DIGIT 4)
5	ANODE D.P. (DIGIT 1)	25	ANODE G (DIGIT 4)
6	ANODE E (DIGIT 2)	26	ANODE B (DIGIT 3)
7	ANODE D (DIGIT 2)	27	ANODE A (DIGIT 3)
8	COMMON CATHODE (DIGIT 2)	28	COMMON CATHODE (DIGIT 3)
9	ANODE C (DIGIT 2)	29	ANODE F (DIGIT 3)
10	ANODE D.P. (DIGIT 2)	30	ANODE G (DIGIT 3)
11	ANODE E (DIGIT 3)	31	ANODE B (DIGIT 2)
12	ANODE D (DIGIT 3)	32	ANODE A (DIGIT 2)
13	COMMON CATHODE (DIGIT 3)	33	COMMON CATHODE (DIGIT 2)
14	ANODE C (DIGIT 3)	34	ANODE F (DIGIT 2)
15	ANODE D.P. (DIGIT 3)	35	ANODE G (DIGIT 2)
16	ANODE E (DIGIT 4)	36	ANODE B (DIGIT 1)
17	ANODE D (DIGIT 4)	37	ANODE A (DIGIT 1)
18	COMMON CATHODE (DIGIT 4)	38	COMMON CATHODE (DIGIT 1)
19	ANODE C (DIGIT 4)	39	ANODE F (DIGIT 1)
20	ANODE D.P. (DIGIT 4)	40	ANODE G (DIGIT 1)

ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	75	mW
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current Per Segment	25	mA
Derating Linear From 25°C Per Segment	0.33	mA/°C
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-35°C to +85°C	
Storage Temperature Range	-35°C to +85°C	
Solder Temperature: max 260°C for max 3sec at 1.6mm below seating plane.		

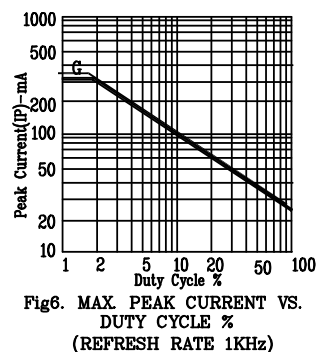
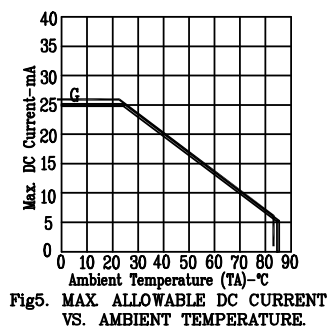
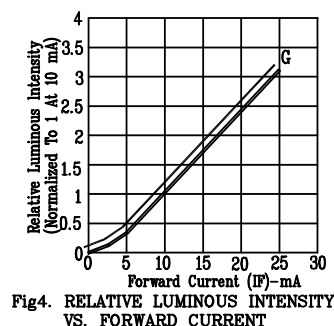
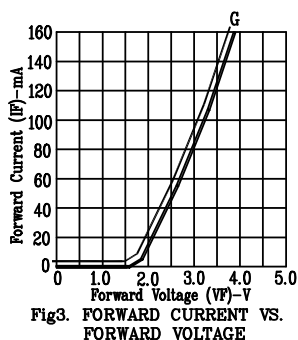
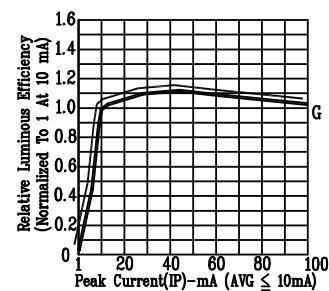
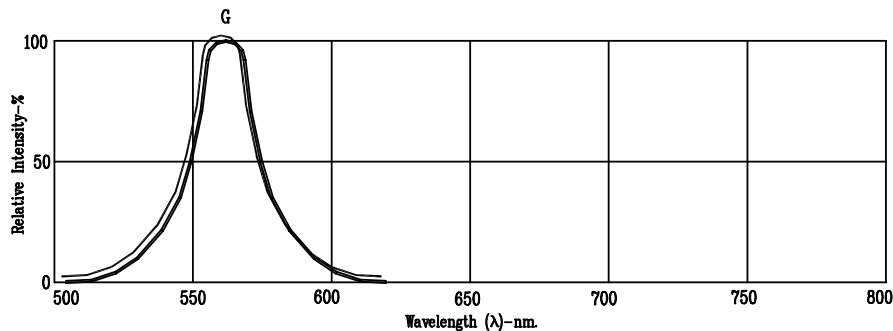
ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	I _v	800	2200		μcd	I _F =10mA
Peak Emission Wavelength	λ _p		565		nm	I _F =20mA
Spectral Line Half-Width	Δλ		30		nm	I _F =20mA
Dominant Wavelength	λ _d		569		nm	I _F =20mA
Forward Voltage Per Segment	V _F		2.1	2.6	V	I _F =20mA
Reverse Current Per Segment	I _R			100	μA	V _R =5V
Luminous Intensity Matching Ratio	I _v -m			2:1		I _F =10mA

Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)



NOTE: G=GREEN